Forest Insect & Disease Management

Report #80-3-19

Issued on 6-4-80

AERIAL DETECTION SURVEY OF FOREST INSECT AND DISEASE ACTIVITY, SAM HOUSTON NATIONAL FOREST

LAND OWNERSHIP OR SURVEY AREA: Sam Houston National Forest

STATE: Texas

AREA WITHIN SURVEY BOUNDARY: 491,800

DATE: May 28, 1980

PERCENT COVERAGE: 50%

AIRCRAFT: Aero Commander 500B

CREW: R. Bassett, W. Nettleton

REPORT PREPARED BY: R. Bassett

SURVEY OBJECTIVES

Detection of timber damaged by southern pine beetle.

SURVEY RESULTS

Dead or dying pine with red and/or fading needles were recorded on a ranger district class A map. Only multiple tree spots (2 or more) were recorded. See Table 1. All 9 suspect spots were small (10 trees or less) and were scattered over the forest at fairly wide intervals (see Figure 1).

CONCLUSIONS

Southern pine beetle activity is currently at a low level on the Sam Houston National Forest. Field surveillance by National Forest personnel should continue to assist with early detection of potential insect or disease problems.

For additional information, contact:

USDA Forest Service FIDM
Northgate Office Park, Room 2103
3620 Interstate 85, N.E.
Doraville, GA 30340
Phone: 404/221-4796

or

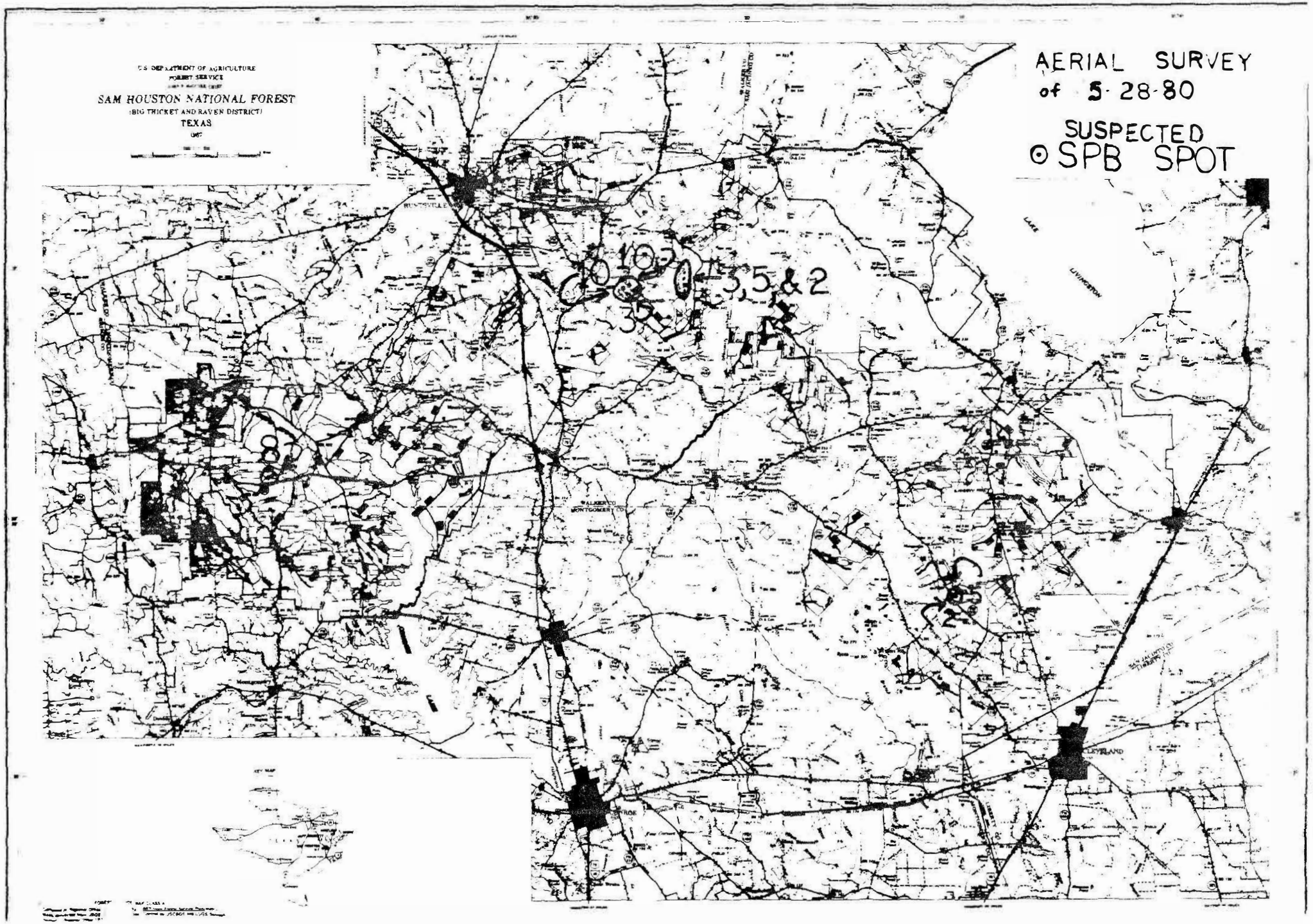
USDA Forest Service FIDM
2500 Shreveport Hwy.
Pineville, LA 71360
Phone: 318/473-7280

SOUTHEASTERN AREA, STATE & PRIVATE FORESTRY
USDA FOREST SERVICE, ATLANTA, GA 30309

Table I: Summary of Aerial Survey Data, Sam Houston National Forest, 5-28-80

Ownership	Infestation Size (# Trees)									
	1		2-5		6-20		21-50		51-100	
Federal	Spots	Trees	Spots	Trees	Spots	Trees	Spots	Trees	Spots	Trees
			6	20	3	28	0	0	0	0	9	48

FIGURE 1.


U.S. DEPARTMENT OF AGRICULTURE
FOREST SERVICE
SAM HOUSTON NATIONAL FOREST
(BIG THICKET AND RAVEN DISTRICT)
TEXAS
AERIAL SURVEY
of 5-28-80
SUSPECTED
⊙ SPB SPOT
3,5,&2
LAKE LIVINGSTON
WALKER CO
MONTGOMERY CO
CLEVELAND